

### ABSTRACT OF THE DISCLOSURE

Delay positions for a RAKE receiver are selected by searching a plurality of multi-paths to select a set of multi-path delays associated with the highest signal to interference ratios (SIRs) and/or power values while maintaining a minimum distance between the multi-path delays during a first time interval. Respective SIRs and/or power values associated with the respective multi-path delays are determined during a second time interval. The respective SIRs and/or power values are filtered based on the SIRs and/or power values obtained while searching the plurality of multi-paths during the first time interval and determining respective SIRs and/or power values for the multi-path delays during the second time interval. For each of the respective multi-path delays, the respective filtered SIR and/or power value associated with the respective multi-path delay is compared with the SIRs and/or power values associated with delays immediately adjacent to that multi-path delay. For each of the respective multi-path delays, a respective multi-path delay position is adjusted based on the result of comparing the respective filtered SIR and/or power value associated with the respective multi-path delay with the filtered SIRs and/or power values associated with delays immediately adjacent to the respective multi-path delay. Respective multi-path delay positions are then assigned to fingers of a RAKE receiver.